

FOMENKO, Fedor Nikitich. Prinimali uchastiye: SHKOL'NIKOV, B.M., kand. tekhn. nauk; SUD, I.I., inzh.; GRACHEV, Yu.V., kand. tekhn. nauk; PETROVA, Ye.A., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Electrodrills for drilling oil and gas wells] Elektrobury dlia bureniia neftiarykh i gazovykh skvazhin. 2., dop. i perer. izd. Moskva, Gos.nauchno-tekhn.izd-vo nefi.i gorno-toplivnoi lit-ry, 1961. 327 p. (MIRA 14:12)

(Oil well drilling, Electric--Equipment and supplies)

SUD, Isaak Izrailevich, inzh.; SULKHANISHVILI, Ivan Nikolayevich,  
kand. tekhn. nauk; SHKOL'NIKOV, Bernard Markovich, kand. tekhn.  
nauk. Prinimal uchastiye ABRUKIN, A.L., kand. tekhn. nauk;  
SIDOROV, V.N., inzh., ved. red.; POLOSINA, A.S., tekhn. red.

[Oil-field electrical engineering handbook] Spravochnik  
neftepromyslovogo elektrika. [By] I.I.Sud, I.N.Sulkhanishvili,  
B.M.Shkol'nikov. Moskva, Gostoptekhizdat, 1961. 510 p.  
(MIRA 15:4)

(Petroleum industry--Electric equipment)

IL'SKIY, Aleksandr Longinovich, kand. tekhn.nauk. Primali uchastiye:  
SUD, I.I., kand. tekhn. nauk; OSIPOV, K.G., kand. tekhn. nauk;  
NIKOLICH, A.S., inzh.; SHKOL'NIKOV, B.M., kand. tekhn. nauk;  
SKLOVSKIY, G.O., inzh., retsenzent; PETROVA, Ye.A., veduchshiy  
red.; POLOSINA, A.S., tekhn. red.

[Calculation and design of drilling equipment and tools] Raschet  
i konstruirovaniye burovogo oborudovaniia i instrumenta. Moskva,  
Gostoptekhnizdat, 1962. 636 p. (MIRA 15:12)  
(Boring machinery)

ZAMANSKIY, Mikhail Abramovich, dots.; SUD, Isaak Izrailevich,  
kand. tekhn. nauk; SULKHANISHVILI, Ivan Nikolayevich,  
kand. tekhn. nauk; TARASOV, Dmitriy Aleksandrovich, dots.;  
SHKOL'NIKOV, Bernard Markovich, kand. tekhn. nauk;  
SHTURMAN, Leonid Isayevich, kand. tekhn. nauk; STOTSKIY,  
L.R., kand. tekhn. nauk, dots., red.;

[Electric equipment for oil and gas fields] Elektrooboru-  
dovanie nef'tianykh i gazovykh promyslov. Moskva, Izd-vo  
"Nedra," 1964. 303 p. (MIRA 17:7)

MOTSOKHEYN, Boris Iosifovich; SHKOL'NIKOV, B.M., kand. tekhn.  
nauk, retsenzent; VRONSKIY, L.N., ved. red.

[Electric drive of draw works; efficient parameters]  
Elektroprived burovykh lebedok; ratsional'nye parametry.  
Moskva, Nedra, 1965. 226 p. (MIRA 18:7)

L 05191-67 EWT(m) DJ

ACC NR: AP6011227

(A)

SOURCE CODE: UR/0413/66/000/006/0065/0065

AUTHORS: Golovko, V. N.; Shkol'nikov, B. M.; Zhitkov, N. B.; Chepurov, B. M.;  
Volkomirskiy, I. I. 26  
B

ORG: none

TITLE: Frictional disk brake. Class 35, No. 179893 [announced by State Scientific  
Research and Design-Construction Institute for Petroleum Machinery Construction  
(Gosudarstvennyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut  
neftyanogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 65

TOPIC TAGS: friction, well drilling machinery, drilling machine X

ABSTRACT: This Author Certificate presents a frictional disk brake for, say, drill hoists. The brake consists of a casing, a shaft connected to the shaft of the drill hoist, and a friction disk. To insure the independent action of the braking moment from the rotary velocity of the hoist shaft, the immovable friction disks contain internal openings (see Fig. 1). These openings are connected to a closed circuit through which cooling liquid is circulated by, say, a centrifugal pump. To facilitate the exchange of friction sheaves, the latter are loosely held by the disks. "

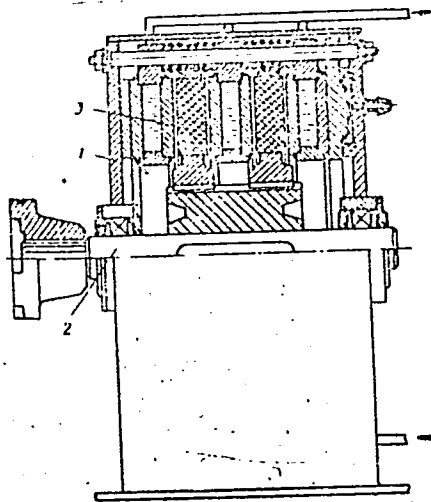
UDC: 622.24.054:621.864-783.52

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L 05191-67

ACC NR: AP6011227

Fig. 1. 1 - case; 2 - shaft; 3 - friction disk.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 12Aug63

Card 2/2 vmb

BUDOVY, G.T.; MARTINKOV, I.P.; SHKOL'NIKOV, B.Ya.; GRIGOR'YEV, Ye.A.;  
SOLOMIN, V.V.; REZNIK, A.I.; IGNATOVICH, A.A.; OZORNOV, A.K.;  
GILINSKOY, E.B.; ZHIRNOV, V.Ye.; NEMENSKIY, M.I.; VOLKOV, N.I.,  
red.; VOSKANYAN, G.G., red.; KASIMOVSKIY, Ye.V., red.; FOMIN,  
A.Ya., red.; LISOV, V.Ye., red.; PONOMAREVA, A.A., tekhn. red.

[The district worker's manual; reference and methodological aid  
for economic and cultural planning in an administrative dis-  
trict] Spravochnik raionnogo rabotnika; spravochno-metodiche-  
skoe posobie po planirovaniu khoziaistvennogo i kul'turnogo  
stroitel'stva v administrativnom raione. Moskva, Ekonomizdat,  
1962. 439 p. (MIRA 15:7)

(Russia--Economic policy--Handbooks, manuals, etc.)



SHCHUKIN, Aleksey Grigor'iyevich; SHKOL'NIKOV, Boris Yakovlevich;  
ZAV'YALOVA, A.N., red.; MOZGALEVSKAYA, S.A., mlad. red.;  
PONOMAREVA, A.A., tekhn. red.; GERASIMOVA, Ye.S., tekhn.  
red.

[Technical, industrial and financial plan of enterprises  
of local importance] Tekhpromfinplan predpriiatii mestnogo  
znacheniiia. Moskva, Ekonomizdat, 1963. 295 p.

(MIRA 16:11)

(Industrial management)

SHCHUKIN, Aleksey Grigor'yevich; SHKOL'NIKOV, Boris Yakovlevich;  
ZAV'YALOVA, A.N., red.; MOZGALEVSKAYA, S.A., mlad. red.;  
PONOMAREVA, A.A., tekhn. red.; GERASIMOVA, Ye.S., tekhn.  
red.

[The technical, industrial and financial plan of the enter-  
prises of local significance] Tekhpromfinplan predpriatii  
mestnogo znachenia. Moskva, Ekonomizdat, 1963. 295 p.  
(MIRA 17:4)

SHECL'NIKOV, B.Ya.

Alushta. Kiev, 1963. 1 v. (MIRA 17:11)

SEROL'NIKOV, V. I.

Engl. Tech. Sci.

Dissertation: "Investigation of Low-Alloy Bessemer Steel." Moscow Order of the Labor  
Red Banner Inst of Steel from I. V. Stalin, 17 Jun 47.

SC: Vechernyaya Moskva, Jun, 1947 (Project #17836)

SHKOL'NIKOV, E.M., kand.tekhn.nauk; LEVITAN, M.M., inzh.; OSIPYAN, A.V.,  
kand.tekhn.nauk, red.; KOZLOVSKIY, I.S., kand.tekhn.nauk, zamestitel'  
otvetstvennogo red.; BRILING, N.R., doktor tekhn.nauk, prof., red.;  
KALISH, G.G., doktor tekhn.nauk, prof.; LIPGART, A.A., prof., red.;  
PEVZNER, Ya.M., doktor tekhn.nauk, prof., red.; PRIYADILOV, V.I., kand.  
tekhn.nauk, red.; ROZANOV, V.G., kand.tekhn.nauk, red.; KRUSHCHEV, M.M.,  
doktor tekhn.nauk, prof., red.; CHISTOZVONOV, S.B., inzh., red.;  
ZIL'BERBERG, Ya.G., inzh., red.; YEGORKINA, L.I., red.izd-va;  
UVAROVA, A.F., tekhn.red.

[Using chromium-silicon alloys in manufacturing automobile engine  
sleeves] Khromokremnistyi splav dlia gil'z avtomobil'nykh dvigatelei.  
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 78 p.  
(Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i  
avtomotornyi institut. Trudy no.81)

1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo  
Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo  
instituta (for Osipyan). 2. Zamestitel' direktora Gosudarstvennogo  
soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo  
avtomobil'nogo i avtomotornogo instituta (for Kozlovskiy). 3. Chlen-  
korrespondent AN SSSR (for Briling).  
(Chromium-silicon alloys) (Automobiles--Engines--Cylinders)

SKOTNIKOV, Viktor Vasil'yevich; VEDENYAPIN, G.A., red.; LIPGART, A.A., otv. red.;  
BORISOV, S.G., red.; BRISKIN, M.I., red.; DYBOV, O.V., red.; ZIL'BERG, Ya.  
G., red.; KOZLOVSKIY, I.S., red.; LOZAR', A.S., red.; LUNEV, I.S., red.;  
PEVZNER, Ya.M., red.; PRYADILOV, V.I., red.; RAMAYYA, K.S., red.;  
SAMOL', G.I., red.; SEDOVA, Ye.V., red.; KHANIN, N.S., red.; CHAPAYEV,  
A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M., red.;  
YEGORKINA, L.I., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Intermediate transformation and temper brittleness of auto-  
mobile body steels] Provezhutochnoe prevrashchenie i otpusknaya  
khrupkost' v konstruktsionnykh avtomobil'nykh staliakh. Moskva,  
Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry 1958. 74 p.  
(Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avto-  
motornyi institut Trudy, no.85) (MIRA 12:2)  
(Steel, Automobile--Metallography)

*Shkol'nikov, E. M.*

128-58-6-13/17

AUTHORS: Stepin, P.I., Shkol'nikov, E.M., and Levitan, M.M. Candidates of Technical Sciences.

TITLE: The Mechanism of the Formation of Nodular Graphite in Magnesium Cast Iron. (K vorposu o mekhanizme obrazovaniya sharovidnogo grafita v magniyevom chugune)

PERIODICAL: Liteynoye Proizvodstvo, 1958, Nr 6, pp 29-30 (USSR)

ABSTRACT: The authors critically analyze the theory suggested by V.P. Pavlov ("Izvestiya AN SSSR", OTN, Nr 4, 1957) and proved it wrong. The essence of this theory is that hard manganese reacts with carbon desolved in molten iron and forms manganese carbides which decompose after reaching higher temperatures leaving graphite crumbs which become round after being rolled by streams of metal. There are 8 references, 6 of which are Soviet, 1 German, and 1 English.

AVAILABLE: Library of Congress  
Card 1/1 1. Cast iron-Metallurgical analysis 2. Magnesium alloys-Properties

SHAMIRGON, S.A.; SHKOL'NIKOV, E.M., kand.tekhn.nauk, red.; CHERNOVA,  
Z.I., tekhn.red.

[What is centrifugal casting] Chto takoe tsentrobezhnos lit'e.  
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959.  
110 p. (MIRA 12:11)

(Centrifugal casting)



BERG, P.P., doktor tekhn.nauk; BIDULYA, P.N., doktor tekhn.nauk; GRECHIN, V.P., kand.tekhn.nauk; DOVGAEVSKIY, Ya.M., kand.tekhn.nauk; ZHUKOV, A.A., inzh.; ZINOV'YEV, N.V., inzh.; KRYLOV, V.I., inzh.; KUDRYAVTSEV, I.V., doktor tekhn.nauk; LANDA, A.F., doktor tekhn.nauk; LEVI, L.I., kand.tekhn.nauk; MALAKHOVSKIY, G.V., inzh.; MIL'MAN, B.S., kand.tekhn.nauk; SOBOLEV, B.F., kand.tekhn.nauk [deceased]; SKOMOROKHOV, S.A., kand.tekhn.nauk; STEPIN, P.I., kand.tekhn.nauk; USHAKOV, A.D., kand.tekhn.nauk; FRIDMAN, L.M., inzh.; KHRAPKOVSKIY, E.Ya., inzh.; TSYPIN, I.O., kand.tekhn.nauk; SHKOL'NIKOV, E.M., kand.tekhn.nauk; POGODIN-ALEKSEYEV, G.I., prof., doktor tekhn.nauk, red.; BOLKHOVITINOV, N.F., prof., doktor tekhn.nauk, red.toma; LANDA, A.F., prof., doktor tekhn.nauk, red.toma; RYBAKOVA, V.I., inzh., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Handbook on materials used in the machinery industry] Spravochnik po mashinostroitel'nyim materialam; v chetyrekh tomakh. Pod red. G.I.Pogodina-Alekseeva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.3. [Cast iron] Chugun. Red.toma N.F.Bolkhovitov i A.F.Landa. 1959. 359 p. (MIRA 13:1)  
(Machinery industry) (Cast iron)

PETRUSHOV, V.A., inzh.; PASHIN, M.A., red.; LIPGART, A.A., otv.red.;  
 AL'PEROVICH, A.G., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.;  
 DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.;  
 LUNEV, I.S., red.; MAGAYEV, P.V., red.; PEVZNER, Ya.M., red.;  
 PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.;  
 SEDOVA, Ye.V., red.; TAMRUCHI, O.V., red.; KHANIN, N.S., red.;  
 CHAPCHAYEV, A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV,  
 E.M., red.; YEGORKINA, L.I., red.izd-va; GORDEYEVA, L.P., tekhn.  
 red.

[Operational analysis of the multiplate friction transformer]  
 Analiz raboty mnogodiskovykh friktsionnykh transformatorov.  
 Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry,  
 1960. 79 p.(Moscow. Gosudarstvennyi nauchno-issledovatel'skii  
 avtomobil'nyi i avtomotornyi institut [Trudy], no.90).

(MIRA 13:8)

(Motor vehicles--Transmission devices)

S/128/60/000/002/002/002  
A133/A133

AUTHORS: Shkol'nikov, E. M., Bondarenko, L. G., Zakharov, V. A.,  
Chichagova, N. P.

TITLE: The practice of modifying cast iron with cerium alloys

PERIODICAL: Liteynoye proizvodstvo, no. 2, 1960, 36-37

TEXT: Reporting on a work carried out by Giredmet, NAMI and the Gor'kovskiy avtozavod (Gor'kiy Automobile Plant) to study the effect of cerium as a modifier of cast iron, the authors point out that misch metal was the first cerium-type modifier used to obtain nodular cast iron. Since cerium is no more in such short supply and the production will be considerably increased under the present Seven-Year Plan, the cost of cerium modifiers will be cut and, according to the author, will amount to 20-25 rubles/kg. Laboratory tests were carried out to study the modification effect of misch metal, ferrocerium and ferrocerium alloys with up to 70% magnesium additions on cast iron whose composition was similar to that used at the Gor'kiy Automobile Plant for the fabrication of

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The practice of ...

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crankshafts, viz. 3.2-3.5% C, 2-2.5% Si, 0.8% Mn, 0.1-0.2% P, 0.007-0.010% S (cast iron previously desulfurized by magnesium), 0.025-0.030% S (cast iron obtained from a heat of foundry blast-furnace pig iron and steel), 0.09-0.10% S (cupola iron). The laboratory tests proved that the modifying effects of misch metal and ferrocerium were practically equal, so that ferrocerium is given preference since it is cheaper. The authors emphasize that it is expedient to add a certain amount of Mg to the ferrocerium, and Giredmet has developed ferrocerium alloys with 70% Mg. If up to 5% Mg is added, there is no pyroeffect during the addition of foundry alloy; up to 15% Mg results in an insignificant pyroeffect. If the Mg content is increased, all those difficulties will arise which are typical for the modification with pure Mg. The ferrocerium consumption is considerably reduced if 10-12% Mg are added; therefore, all the following laboratory tests were carried out with ferrocerium alloys containing 12-15% Mg - ~~FTM~~ (FTSM). The residual cerium content in cast iron after modification amounts to 0.03-0.06%. The residual S content in cerium cast iron

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The practice of ...

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A133/A133

modifiers are added to the cast iron successively; 0.3% FTsM-6 in lumps weighing 150-250 kg are put into the ladle when the cast iron is tapped from the electric furnace, and 0.4% Si75 are added to the cast iron in the pouring ladle. Soda is used as slagging additive, the addition of cryolite is not necessary. The S content of the cast iron prior to modification should not exceed 0.02%. The actual tapping temperature of the metal should be in the range of 1,420-1,450°C. The advantages of the FTsM-6 alloy over metallic magnesium as modifier are: absence of the pyroeffect, insensitiveness towards a temperature increase of cast iron prior to modification, a practically non-existing temperature drop of the metal during modification (20°C), the possibility of reducing the cast iron superheating temperature in the electric furnace prior to tapping by 120-150°C, which will increase the furnace productivity by 12-15%, and the insensitiveness towards demodifiers (Ti, Pb, Sn). A disadvantage of the FTsM-6 alloys is that it increases the tendency of cast iron to form cementite on the surface. There are 4 figures

Card 4/4

SHKOL'NIKOV, E.M.; RUDNITSKIY, N.M.

Durability of cast crankshafts on the "Volga" automobile.  
Lit. proizv. no. 8:40-41 Ag '60. (MIRA 14:2)  
(Iron founding) (Crankshafts and crankshafts)

KISELEV, B.A., inzh.; EIPGART, A.A., otv.red.; PASHIN, M.A., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.; BRYZGOV, N.N., red.; DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.; LUNEV, I.S., red.; NAGAYEV, P.V., red.; PEVZNER, Ya.M., red.; PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.; SEDOVA, Ye.V., red.; TAMRUCHI, O.V., red.; CHAPKEVICH, V.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M., red.; SMIRNOVA, G.V., tekhn.red.

[Investigation of the operation and gas-exchange of a loop-scavenged two-cycle motor-vehicle diesel engine] Issledovanie rabochego protsessa i gazoobmena dyukhtaktnogo avtomobilnogo dizelia s petlevoi produkoi. Moskva, Mashgiz, 1961. 493 p. (Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyĭ institut. Trudy, no.3d). (MIRA 16:8)  
(Motor vehicles--Engines)

SHKOL'NIKOV, E.M.; LAKEDEMONSKIY, A.V.; BONDARENKO, L.G.; ABRAMENKO, Yu.Ye.;  
PETUKHOV, S.A.

Cast camshafts for the ZIL-111 engine. Lit. proizv. no. 5:7-8 My '62.  
(MIRA 16:3)  
(Automobiles--Engines) (Iron founding)



KAS'YANOVA, N.A.; KLUENICHKIN, K.F.; SHKOL'NIKOV, E.M.

Efficiency of treatment with rare metal alloys. Lit.proizv.  
no.11:37 N '62. (MIRA 15:12)  
(Cast iron—Metallurgy) (Rare earth metals)

YAKHMERONSKIY, A.V., kand. tekhn. nauk; SHKOL'NIKOV, E.M., kand. tekhn. nauk; ABRAMENKO, Yu.Ye., inzh.; BONDARENKO, L.G., inzh.; SELEZNEVA, Ye.D., inzh.

Cast distributing shafts for forced carburetor engines. Lit.  
proizv. no.12:40-41 D '65. MIRA 18:12)

S/137/61/000/011/087/123  
AO60/A101

AUTHORS: Ioffe, V. M., Burov, V. M., Shkol'nikov, E. M., Bondarenko, L. G.,  
Zakharov, V. A., Chichagova, N. P.

TITLE: Cerium modifiers for obtaining cast iron with spherical graphite

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 3, abstract 1179  
(V sb. "Polucheniye izdeliy iz zhidk. met. s uskoren. kristallizatsiyey". Moscow - Kiev, Mashgiz, 1961, 147-149)

TEXT: The conditions were clarified under which it is possible to use for modifying a Ce alloy instead of Mg. In using the Ce alloy, it can be fed into the ladle directly while filling it with the crude iron. The necessity for the high-temperature heating up of the crude iron and of using an autoclave and cryolite drops out. It was established that Fe-Ce alloy with 5 - 8% Mg is suitable for use under steel-plant conditions. 25 experiments were carried out in modifying crude iron with Ce. An alloy of Zr ( $\Phi\text{IIM}6$  [FTsM6]) was introduced into the ladle in the quantity of 0.27 - 0.28 % of the weight of the crude iron. It was established that alloys of Fe-Ce with 5 - 8% Mg make it possible to modify the crude iron directly in the ladle without any protective devices, and the

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Cerium modifiers for obtaining ...

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A060/A101

crude iron undergoing modification by a Ce alloy should not contain  $>0.03\%$  S, so that the casting be pure and have no nonmetallic impurities - modification products. The microstructure and the characteristics of Mg- and Ce-crude irons are practically the same.

A. Savel'yeva

[Abstracter's note: Complete translation]

Card 2/2

SHKOL'NIKOV, G., glavnyy konstruktor

Double-hull excursion motorship for suburban lines. Rech.  
transp. 19 no. 6:27-28 Je '60. (MIRA 14:2)  
(Ships)

SHKOL'NIKOV, G. M.

Subject : USSR/Engineering AID - P-158  
Card : 1/1  
Author : Shkol'nikov, G. M.  
Title : Experience in Use of Automatic Feed Regulators in  
Oil Well Drilling  
Periodical : Neft. khoz., v. 32, #1, 24-30, Ja 1954  
Abstract : The automatic feed regulator of the type BAR-150 for  
oil well drilling is outlined for the use in rotary  
and turbo-drilling installations. The characteristics  
of the regulator's operation at different oil fields  
are reported. Two diagrams, 1 table, and 2 Russian  
references (1952-53).  
Institution : None  
Submitted : No date

SHKOL'NIKOV, G.V., inzh.

The excursion catamaran "Otdykh." Sudostroenie 30 no.7:1-4 J1 '64.  
(MIRA 18:9)

MADORSKIY, G. . ., tech.; SHEOL'NIKOV, G. . ., tech.

Design and construction of catamarans. Sudostroenie 30 no.7:5-6  
1964. (MIRA 18:9)



SHKOLNIKOV, I.E.

DECEASED

1961/3

c1960

SEE ILC

MEDICINE

SHOL'NIKOV, I.I., inzh.; SHVETSOV, V.T., inzh.

Direction in the wintertime of a monolithic reinforced concrete head-frame for multirope hoisting. Shakht. stroi. 8 no.6:23-24. Fe '64.  
(MIRA 17:10)

1. Stroitel'noye upravleniye No.1 tresta Donetskshakhtstroy (for Shol'nikov). 2. Nauchno-issledovatel'skaya stantsiya No.15 kombinata Donetskshakhtostroy (for Shvetsov).

SHKOL'NIKO, L. G., PROF.

PA 192T72

USSR/Medicine - Bone Surgery

Oct 51

"Plastic Bone Surgery Using Local Tissue," Prof L. G. Shkol'niko, Clinic of Orthopedics and Traumatol, Novosibirsk Inst for Advanced Tng of Physicians

"Khirurgiya" No 10, pp 40-42

Describes slightly modified technique based on Sh. D. Khaknutov's "Treatment of Pseudoarthroses by the Method of Displacing Transplants," 1926. Agrees with Khaknutov that only transplants taken

192T72

USSR/Medicine - Bone Surgery (Contd) Oct 51

from vicinity of the false joint can be successfully grafted, but ascribes this to the fact that the bone in this locality was exposed to irritation and is therefore more adaptable. Uses navel tissue (which acts as a biogenic stimulant) for fixing transplants in place rather than wire, as recommended by Khaknutov.

192T72

SHKOL'NIKOV, L.G.; IETINA, V.I.

Treatment of thromboangiitis obliterans with umbilical tissue transplant.  
Vest. khir. 71 no.1:40-44, 1951. (CML 20:8)

1. Of Novosibirsk Institute for Restorative Surgery, Traumatology, and Orthopedics of the Ministry of Public Health RSFSR (Director--V.N. Kurlov) and of the Department of Orthopedics and Traumatology of Novosibirsk Institute for the Advanced Training of Physicians (Director--Zalesskiy; Head of Department--L.G. Shkol'nikov).

SHKOL'NIKOV, L.G., professor; SELIVANOV, V.P.

Plastic surgery with umbilical laminae for defects of the  
dura mater in fresh cerebrocranial injuries. Vop.neirokhir.19  
no.5:54-58 S-O '55. (MLRA 8:11)

1. Iz kafedry travmatologii i ortopedii Stalinskogo instituta  
usovershenstvovaniya vrachey.

(DURA MATER, wounds and injuries,  
surg. umbilical implants)

(UMBILICUS, transplantation,  
in dura mater inj.)

(TRANSPLANTATION,  
umbilical grafts in dura mater inj.)

SHKOL'NIKOV, L.G., professor, Stalino (Kuzbass) pr.Molotova, d.12,  
kv.27.; SELIVANOV, V.P.

Intrapelvic anesthesia in fractures of the pelvis. Vest.khir.  
75 no.5:74-79 Je '55. (MLRA 8:10)

1. Iz kafedry ortopedii i travmatologii (zav.-prof. L.G. Shkol'-  
nikov) Stalinskogo instituta usovershenstvovaniya vrachey.

(ANESTHESIA, LOCAL,  
intrapelvis, in pelvis fract.)  
(PELVIS, fractures,  
anesth., intrapelvic in)  
(FRACTURES,  
pelvis, intrapelvic anesth.in)

SHKOL'NIKOV, L.G., professor; ZAGAYNOV, N.I.

Umbilical vessels of cattle as a new suture material. Khirurgiia  
no.5:74 My '56. (MLRA 9:9)

1. Zaveduyushchey kafedroy travmatologii i ortopedii Stalinskogo  
instituta usovershenstvovaniya vrachey (for Shkol'nikov) 2.  
Nauchnyy sotrudnik Novosibirskogo instituta vosstanovitel'noy  
khirurgii i ortopedii (for Zagaynov)  
((SUTURES) (UMBILICUS)

SHKOL'NIKOV, L.G., professor

Methods for intramedullary fixation with a metal rod in the surgical treatment of forearm fractures. Ortop.travm. i protez. 18 no.3:64 My-Je '57. (MLRA 10:9)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. L.G. Shkol'nikov) Stalinskogo instituta usovershenstvovaniya vrachey (dir. - dotsent L.G.Starkov) (ARM--SURGERY)



SHKOL'NIKOV, L.G., prof.

Treatment of minor wounds and prevention of complications [with summary  
in English]. Vest.khir. 80 no.6:68-88 Je '58 (MIRA 11:7)

1. Iz kliniki travmatologii i ortopedii (zav. - prof. L.G. Shkol'nikov)  
Stalinskogo instituta usovershenstvovaniya vrachey. Adres avtora:  
Stalinsk, Kemerovskoy oblasti, Instituta usovershenstvovaniya vrachey.  
(WOUNDS AND INJURIES, ther.  
plastmass dressing in minor wds. (Rus))  
(BANDAGING AND DRESSING,  
same (Rus))

SHKOL'NIKOV, L.G., prof.; VITYUGOV, I.A., assistant

Clinical data on cardiac and pericardial wounds. Khirurgiia 35  
no.1:125-128 Ja '59. (MIRA 12:2)

1. Iz kliniki travmatologii i ortopedii (zav. - prof. L.G. Shkol'-  
nikov) Stalinskogo gosudarstvennogo instituta dlya spetsializatsii  
i usovershenstvovaniya vrachey (dir. - dotsent G.L. Starkov).

(HEART, wds. & inj.

case reports (Rus))

(PERICARDIUM, wds. & inj.

same)

SHKOL'NIKOV, L.G., prof. (Stalinsk, Kemerovskoy obl., prosp. Metallurgov,  
d.34, kv.27); TSODYKS, V.M., mladzhiy nauchnyy sotrudnik

Fractures of the pelvis as revealed by clinical data from 1953-  
1960. Ortop., travm. i protez. no.9:30-35 '61. (MIRA 14:10)

1. Iz kliniki travmatologii i ortopedii (zav. - prof. L.G.  
Shkol'nikov) Stalinskogo instituta usovershenstvovaniya vrachey  
(dir. - dots. G.L. Starkov).  
(PELVIS--FRACTURE)

SHKOL'NIKOV, L.G., prof. (Novokuznetsk, Kemerovskoy oblasti, prospekt Metallurgov, d.34, kv.27); VITYUGOV, I.A., kand. med. nauk; ROSTOVSKAYA, M.P.

Surgical treatment of ruptures of the cruciform ligaments of the knee joint. Ortop., travm. i protez. 25 no.6:16-21 Je '64.  
(MIRA 18:3)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (dir. - dotsent G.L. Starkov).

SHKOL'NIKOV, L.G., prof. (Novokuznetsk, Kemerovskoy oblasti, prospekt  
Metallurgov, d.34.kv.27)

Open fractures of the long tabular bones and their treatment. Ortop.,  
travm. i protez. 25 no.7:3-11 J1 '64.

(MIRA 18:8)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G.Shkol'nikov)  
Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor -  
dotsent G.L.Starkov).

SHKOL'NIKOV, L.G., prof. (Novokuznetsk, Kemerovskoy obl. prospekt Metal-  
lurgov, d. 34, kv.27); YUDIN, Ya.B., kand. med. nauk

Designation and classification of mobilizing operations in osteoarticular  
tuberculosis. Ortop., travm. i protez. 26 no.7:25-31 JI '65.

(MIRA 18:7)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G.Shkol'nikov)  
Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent  
G.I.Starkov).

SIMPSON, . .

Moscow region will be a land of spas! Otdr. truda i sots.  
stran. 4 no. 8:22-24, 3 '61. (MIL 14:10)

1. Ispolnyayushchiy obyazannosti nachal'nika Moskovskogo  
kurortnogo upravleniya.  
(Moscow Province--Health resorts, watering places, etc.)

S/284/63/000/003/003/004  
A004/A126

AUTHOR: Shkol'nikov, M.

TITLE: The economic efficiency of the development of mechanical engineering in areas east of the Urals

PERIODICAL: Referativnyy zhurnal, 35. Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroyenii, no. 3, 1963, 7, abstract 3.35.37 (Plan. kh-vo, 1962, no. 9, 65 - 71)

TEXT: By 1980, more than one third of the USSR industrial production will be manufactured in areas east of the Urals (at present it is 1/6). Nearly three-quarters of the mechanical-engineering production is concentrated in the European part of the USSR, which necessarily calls for a transfer. The average distance of railroad transports in the country, concerning all goods, amounted to 810 km in 1958, that of ferrous metals 1,134 km, and that of machines was 1,700 km. More than two-thirds of the equipment used behind the Urals is supplied from the Urals and Central regions. Owing to the resulting specialization and All-Union importance of the eastern heavy machinery plants, plants of forging and pressing equipment and machine-tool building, a considerable portion of their production

Card 1/2



The economic efficiency of the development of...

S/284/63/000/003/003/004  
A004/A126

is conveyed to the western areas of the country over distances of from 800 to 10,000 km. Only 10 - 12% of the machines manufactured remain in the production regions. Even from the Magadan Oblast' about one half of the diesel fuel apparatus manufactured there is transported to the west. The territorial approach of the mechanical engineering industry to the consumers is of greatest importance for the economic development of the eastern rayons. In Eastern Siberia, preeminence should be given to the metal-consuming branches of mechanical engineering, while labor-consuming production should be concentrated in Central Asia. The possibility of producing in the eastern rayons machine equipment at lower cost price is due to the local raw-material and power resources. In particular, the pig iron of the Tayshtskiy metallurgicheskiy zavod (Tayshtesk Metallurgical Plant) will be the cheapest in the USSR. The cost price of mechanical engineering production in the southern rayons of Siberia will be by 10 - 20% cheaper than in other areas of the country. Moreover, the reduction in transport costs has to be added, based on 50 rubles per ton (which altogether amounts to 500 mill. rubles annually). The reduction of transportation costs may be used as additional source of financing the construction of mechanical engineering plants in the districts east of the Urals. There are 3 tables.

[Abstracter's note: Complete translation]

N. Prikhod'ko

Card 2/2

SHKOL'NIKOV, N.B.

Designing trailer body supports. Avt. i trakt. prom. no.7:  
33-37 J1 '56. (MLRA 9:10)

1. Chelyabinskiy kuznechno-pressovyy zavod imeni Stalina.  
(Automobiles--Trailers)

SHKOL'NIKOV, M.B.

Designing frames of bodies integral with chassis for trailers.  
Avt.prom. no.8:6-12 Ag '60. (MIRA 13:8)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni  
nauchno-issledovatel'skiy avtomobirnyy institut.  
(Truck trailers)


S/113/60/000/010/006/014  
D270/D301

AUTHOR: Shkol'nikov, M.B.

TITLE: An investigation of the strength of the carrier of  
a body

PERIODICAL: Avtomobil'naya promyshlennost', no. 10, 1960, 17 - 21

TEXT: The author extends his previous discussion (which appeared in "Avtomobil'naya i trektornaya promyshlennost'", no. 7, 1956) on the strength of the carrier of a trailer body to other designs of truck-type bodies consisting of a thin walled shell, reinforced by ribs, and with a minimum of cut-outs. The calculation is based on assumptions of linear distribution of normal stresses in section of body and division of the frame and covering work: longitudinal members are subject to normal stresses only, and the covering to tangential forces. The most simple "beam" method of calculating strength is good for determining the resistance of the body as a whole. The computed and experimental values of normal stresses agree well for several elements of body section. The neutral axis



Card 1/3

S/113/60/000/010/006/014  
D270/D301

An investigation of the strength ...

of the body section, both in the calculated and experimental findings is located between the central longitudinal side members. Although there is a similarity in the curves, significant discrepancies occur between the calculated and experimental data. The difference is large for the central roof rib and for the side panels, as well as for the central part of roof panels. It is therefore necessary to make more precise calculations in order to ensure coincidence between calculated and experimental values. The author gives equations for accurately determining the stress state of the longitudinal members of the body. The assumption that the skin works on shear determines the nature of load application in the computing arrangement for the body, but experiments revealed that the skin is in a more complicated state of tension that was assumed in the elementary calculation. It is possible to conclude that the panels of the skin are subject to local longitudinal bending due to work in the post-critical region. Panels therefore undergo tension due to bending. A conclusion is drawn that the assumption of linear distribution of stresses in longitudinal joints and that the panels work only on shear is fully acceptable. Beam calculation may be used as

Card 2/3

SHKOL'NIKOV, M. B.

Cand Tech Sci - (diss) "Study of the stability of motor vehicle bearing van-hoods/kuzovy-furgony/." Moscow, 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Motor Vehicle and Road Inst); 200 copies; free; (KL, 10-61 sup, 220)

SHKOL'NIKOV, M.B.

Design of the body integral with chassis for stability. ~~Avt.~~ prom.  
no.2:13-17 F '61. (MIRA 14:3)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni  
nuachno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.  
(Automobiles--Design and construction)  
(Stability of automobiles)

SHKOL'NIKOV, M.B.

Design for strength of the support frame rods for van bodies.  
Avt.prom. 27 no.6:5-9 Je '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.  
(Motor vehicles—Design and construction)



SHKOL'NIKOV, M.B.; inzh.; ZUBAREV, N.A., inzh.; KHOREV, P.P., inzh.

Fatigue testing of motortruck wheel disks. Vest.mash. 41  
no.1:42-46 Ja '61. (MIRA 14:3)  
(Motortrucks--Wheel--Testing)

SHKOL'NIKOV, M.B., kand.tekhn.nauk

Electric modeling of beam systems. Vest.mashinostr. 42 no.6:  
7-10 Je '62. (MIRA 15.6)  
(Beams and girders--Electromechanical analogies)

SHKOL'NIKOV, M.B., kand. tekhn. nauk

Bending of the unitized body of a motorbus. Avt. prom. 28  
no. 7:31-35 J1 '62. (MIRA 16:6)  
(Motorbuses--Bodies)

SHKOL'NIKOV, M.B., kand. tekhn. nauk

Primary mathematical-statistical processing of the results of  
strain measurements. Avt. prom. 31 no.8:22-24 Ag '65. (MIRA 18:8)

SHKOL'NIKOV, M.G.;; NEMCHINOV, V.S., akad., red.; KHOLIN, I.A., red.;  
GERASIMOVA, Ye.S., tekhn. red.

[The Angara-Yenisey problem] Angaro-Eniseiskia problema.  
Moskva, Gosplanizdat, 1958. 142 p. (MIRA 11:12)  
(Angara Valley--Economic conditions)  
(Yenisey Valley--Economic conditions)

BARDIN, I.P., akademik, glavnyy red. [deceased]; VOL'FKOVICH, S.I., akademik, otv.red.toma; UVAROV, G.V., red.toma; KOMAROV, V.P., dotsent, red.toma; LAVRENT'YEV, M.A., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.B., red.; KHACHATUROV, T.S., red.; ROSTOVTSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; SHKOL'NIKOV, M.G., kand.ekonom.nauk, red.; BANKVITSER, A.L., red. izd-va; BRUZGUL', V.V., tekhn.red.

[Chemical industry] Khimicheskaya promyshlennost'. Moskva, 1960.  
202 p. (MIRA 13:7)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil. Sibirskoye otdeleniye. 2. Chleny-korrespondenty AN SSSR (for Veyts, Levitskiy, Nekrasov, Pustovalov, Khachaturov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashv). 7. Zamestitel' predsedatelya Gosudarstvennogo komiteta Soveta Ministrov SSSR po khimii (for Uvarov).

(Chemical industries)

SHKOL'NIKOV, M.G., kand. ekon. nauk

Prospects for development of the machinery industry in Eastern  
Siberia. Vest.mash. 39 no.3:73-75 Mr '59. (MIRA 12:4)  
(Siberia, Eastern--Machinery industry)

SHKOL'NIKOV, M.G.

Outlook for the development and distribution of machinery manufacturing in Eastern Siberia. Izv.Sib.otd.AN SSSR no.12:39-50 ' 58.  
(MIRA 12:3)

1. Sovet po razvitiyu proizvoditel'nykh sil AN SSSR.  
(Siberia, Eastern--Machinery industry)



SHKOL'NIKOV, M.G.

Outlook for the development and economic zoning of the eastern regions of the R.S.F.S.R. Izv. vost. fil. AN SSSR no.9:3-18 '57. (MIRA 11:1)

1. Sovet po izucheniyu proizvoditel'nykh sil AN SSSR.  
(Siberia--Economic zoning)

SOV/122-59-3-24/42

AUTHOR: Shkol'nikov, M.G., Candidate of Economic Sciences

TITLE: Prospects for the Development of Mechanical Engineering  
Manufacture in Eastern Siberia (Perspektivy razvitiya  
mashinostroyeniya v vostochnoy Sibiri)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 73-75 (USSR)

ABSTRACT: The unsatisfactory rate of progress and the defects in  
the development of engineering manufacture in Eastern  
Siberia are stated. The industry is badly co-ordinated  
and has spare capacity. Dependence on raw material,  
semi-manufactured goods and tools imported from other  
regions is excessive. General recommendations for the  
main lines of development are enumerated with an  
emphasis on the availability of cheap electrical power.

Card 1/1

BARDIN, I.P., akademik, glavnyy red. [deceased]; NEKRASOV, N.N., otv. red.toma; SLAVIN, S.V., doktor ekon.nauk, red.toma; SHKOL'NIKOV, M.G., kand.econ.nauk, red.toma; LAVRENT'YEV, M.A., akademik, red.; VOL'PKOVICH, S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S., red.; ROSTOVTSSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekon.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; MAZOVER, Ya.A., red. izd-va; KASHINA, P.S., tekhn.red.

[Comprehensive regional and interregional problems; [conference reports]] Raionnye i mezhrayonnye kompleksnye problemy; [trudy konferentsii]. Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p.

(MIRA 14:1)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri. 1958. 2. Chleny-korrespondenty AN SSSR (for Nekrasov, Veyts, Levitskiy, Pustovalov, Khachaturov). 3. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume Akademii nauk SSSR (for Nekrasov, Shkol'nikov, Slavin). 4. Predsedatel' Soveta po izucheniyu proizvoditel'nykh sil pri Prezidiume AN SSSR (for Nemchinov). 5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev). 6. Deystvitel'nyy chlen Akademii stroitel'stva i arkitektury SSSR (for Panov). (Siberia, Eastern--Economic policy)

121-8-18/22

AUTHOR SHKOLNIKOV, V.Kh., BOGUSLAVSKIY, L.I.

TITLE The Finishing of Surfaces  
(Chistovaya obrabotka ploskostey. Russian)

PERIODICAL Stanki i Instrument, 1957, Vol 28, Nr 8, pp 39 - 40 (U.S.S.R.)

ABSTRACT The treatment of the heating plates of plate presses represents a difficult problem as their length and width measure up to 3,200 mm; deviation from the plane and parallel character should not exceed 0,15 and 0,1 over a total length of 1,000 mm and their clean finishing must correspond to the 6th standard (see picture 1). For this operation a parallel-planing machine was rebuilt by mounting a cutterhead instead of a blade-holder on one of the supports. Its operating speed was reduced by means of connecting an additional resistance in the operating winding of the electric motor (from 6 m/min. down to 0,32 m/min.). As a standard cutterhead proved to be too weak a special cutterhead was produced (ill. 2) which is described in detail. The operating indices are given in a table. A vertical lathe was prepared for the treatment of the heating plates of a width of 3.200 mm (ill. 3) and it was supplied with a grinder head. Before grinding the plates are once or twice rough-turned. Grinding is then carried out in 5 - 8 stages until it complies with the standards 7 - 9, which is more than what is required. Grinding is carried out with ample emulsion cooling.

Card 1/2

SHKOL'NIKOV, M.Z. (Dneprodzerzhinsk)

Some data on the use of fibrin film in stomatology. Stomatologiya  
39 no.6:67 N-D '60. (MIRA 15:1)  
(FIBRIN) (STOMATOLOGY)

SHKOL'NIKOV, P., tekhnicheskii rukovoditel' arteli; BOROVKOVICH, D.

Ways for using industrial potentialities. Prom.koop. no.1:9-11  
Ja '56. (MLRA 9:6)

1.Dotsent Rostovskogo finansovo-ekonomicheskogo instituta.  
(Rostov-on-Don--Furniture industry)

SEKOL'NIKOV, P.I., inzh.

Frame and panel construction for cabinet furniture. Der.prom. 9  
no.12:23 D '60. (MIRA 13:12)

1. Rostovskaya-na-Donu mebel'naya fabrika No.1.  
(Furniture)

COUNTRY : USSR  
CATEGORY :

B-7

REF. JOUR. : R&Biol., No. 1, 1950, No. 385

AUTHOR : Shkolnikov, S. A.  
INST. : Rostov-on-Don State Pedagogical Institute  
TITLE : The Gist and the Specific Features of the  
Process of Evolution.

ORIG. PUB. : Uch. zap. Rostovsk.-n/D. gos. ped. in-t,  
1957, No 1(25), 225-256

ABSTRACT : No abstract.

1579

CARD:

END

45



SOV/163-58-1-12/53

AUTHORS: Baymakov, Yu. V., Shkol'nikov, S. N., Syrovegin, A. G.,  
Marshikova, A.

TITLE: The Transition of Iridium in the Cathode Metal in the Electro-  
lytic Refining of Copper and Nickel (Perekhod iridiya v  
katodnyy metall pri elektroliticheskom rafinirovanii medi i  
nikelya)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958,  
Nr 1, pp 55-61 (USSR)

ABSTRACT: By using radioactive isotopes the refining process of electro-  
lytic copper and nickel was investigated. In electrolytic cop-  
per and nickel always gold, silver, and platinum elements  
occur, viz. gold and silver in quantities of 0,001 % and  
platinum in a quantity of 0,00001 %.  
The behavior of iridium in the electrolytic refining of cop-  
per and nickel was investigated. The radioactive iridium  
isotope Ir<sup>192</sup> was used as indicator. In the electrolysis of  
copper and nickel the concentration of iridium in copper  
approaches  $(6 \pm 20) \cdot 10^5$  %. Usually in the electrolytic re-  
fining of copper from sulfate solutions with a density of

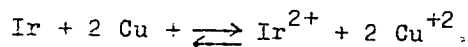
Card 1/3

The Transition of Iridium in the Cathode Metal in the Electrolytic Refining of Copper and Nickel

SOV/163-58-1-12/53

100-200 A/m<sup>2</sup> the iridium content in the cathode amounts to (1 + 9) · 10<sup>-7</sup> %. In the electrolytic refining of nickel from pure sulfate solutions at a temperature of 50°C and a current density of 100-300 A/m<sup>2</sup> the iridium content in the cathode amounts to (5 + 9) · 10<sup>-7</sup> %. In sulfate solutions containing chloride ions and in pure chloride solutions the iridium content in the cathode amounts to (1 + 3) · 10<sup>-4</sup> %. The other platinum metals react similarly to iridium.

In the electrolysis of copper, iridium ion is formed by the following reaction:



To produce metals of highest purity and with a minimum content of iridium the authors recommend using anode diaphragms in the analysis and carrying out the electrolysis of nickel at higher temperatures and that of copper at lower temperatures. There are 11 tables and 1 reference, 1 of which is Soviet.

Card 2/3

SOV/163-58-1-12/53  
The Transition of Iridium in the Cathode Metal in the Electrolytic Refining of Copper and Nickel

ASSOCIATION: Leningradskiy politekhnicheskii institut  
(Leningrad Polytechnical Institute)

SUBMITTED: October 1, 1957

Card 3/3

05842

SOV/76-33-10-40/45

28(4)  
AUTHORS:

Vetyukov, M. M., Chuvilyayev, R. G., Shkol'nikov, S. N.

TITLE:

Automatic Balance for Vapor Pressure Measurement by the Dynamic Method

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10,  
pp 2370 - 2371 (USSR)

ABSTRACT:

A balance is described here (Fig) which permits simultaneous automatic recording of temperature and variations in the sample weight. It is in principle a steel spiral on which the test vessel (with the sample) is suspended. The test vessel is suspended in an electric furnace:1). Below the spiral on the wire which bears the test vessel an aluminum foil is fastened which serves as a screen from light beams. The light beam is emitted by a small lamp, passes through a collimator lens, and incides upon a photoelectric multiplier of the FEU-11 type the pulses of which are recorded by an EPP-09 electronic potentiometer. The position of the aluminum foil varies by changing the sample weight, the light beam is weakened accordingly, and the weight change may thus be recorded. This system may be applied

Card 1/2

05842

Automatic Balance for Vapor Pressure Measurement by the SOV/76-33-10-40/45  
Dynamic Method

to any spring balance suited for continuous weight control.  
There is 1 figure.

ASSOCIATION: Politekhnikheskiy institut im. M. I. Kalinina, Leningrad (Poly-  
technic Institute imeni M. I. Kalinin, Leningrad)

SUBMITTED: March 25, 1959

Card 2/2

VETUUKOV, M.M.; SHKCL'NIKOV, S.N.; CHUVILYAYEV, R.G.; NOVIKOV, A.N.  
(Moskva)

Torsion pendulum viscosimeter with automatic reading.

Zhur. fiz. khim. 34 no.2:470-472 F °60.

(Viscosimeter)

(MIRA 14:7)

S/149/62/000/002/003/008  
A006/A101

AUTHORS: Shkol'nikov, S. N., Volkov, A. M.

TITLE: Fusibility diagram of the  $KCl-CrCl_3$  system

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya, no. 2, 1962, 65-66

TEXT: The authors studied the  $KCl-CrCl_3$  system by the method of thermal analysis within a range of 400 - 900°C. The investigation was made with chemically pure  $KCl$  and dehydrated  $CrCl_3$ . To prevent changes in the composition of the initial melts during their melting, the mixtures were placed in a quartz container which was sealed after the air had been evacuated. Prior to plotting the cooling curve, the container with the molten batch was shaken. A fusibility diagram of the system was plotted up to 40 mol.%  $CrCl_3$ . In the range investigated, two eutectic points were revealed with 11.2 and 33.6 mol.%  $CrCl_3$ . Their crystallization temperatures are 692 and 768°C respectively. A stable chemical compound,  $3KCl \cdot CrCl_3$  was revealed. There are 2 figures and 5 non-Soviet-bloc references.

Card 1/2

Fusibility diagram of the  $KCl-CrCl_3$  system

S/149/62/000/002/003/008  
A006/A101

ASSOCIATIONS: Leningradskiy politekhnicheskii institut (Leningrad Polytechnic Institute); Kafedra elektropirometallurgii tsvetnykh metallov (Department of Electric Pyrometallurgy of Non-Ferrous Metals)

SUBMITTED: September 5, 1960

Card 2/2



SHKOL'NIKOV, S.N.; VOLKOV, A.M.

Feasibility diagrams of the system  $KCl - CrCl_2$ . Izv. vys.  
ucheb. zav.; tsvet. met. 7 no.6:82-83 '64.

(MIRA 18:3)

1. Leningradskiy politekhnicheskii institut, kafedra elektro-  
pirometallurgii tsvetnykh metallov.

SHKOL'NIKOV, S. V.; VOLKOVA, M. T.

Organization of the dispatching service at the Rostov First Aid  
Station. Zdrav. Ros. Feder. 6 no.6:20-23 Je '62.  
(MIRA 15:7)

1. Iz stantsii skoroy meditsinskoy pomoshchi Rostova-na-Donu  
(glavnyy vrach V. A. Derkach).

(ROSTOV---FIRST AID IN ILLNESS AND INJURY)

SHKOL'NIKOV, S. Ye., Eng.

WINDLASS

Reduction winch with endless cable, Biml, stroi. tekhn. No. 5, 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

ZELENOV, Anatoliy Borisovich; KAROCHKIN, Aleksandr Vasil'yevich;  
SAMCHULEYEV, Yuriy Pavlovich; SHKOL'NIKOV, Viktor Ivanovich;  
DOLBNYA, V.T., kand.tekhn.nauk dots., otv.red. ALIAB'YEV, N.Z., red.

[Automated electric drive and servo systems] Avtomatizirovannyye  
elektroprived i slediashechie sistemy. Khar'kov, Mad-vo Khar'k  
kovskogo univ., 1965. 362 p. (MIRA 18:12)

SHKOL'NIKOV, Ya.

Ticket and cash register. Rech. transp. 21 no.3:46 Mr '62.  
(MIRA 15:4)

1. Nachal'nik proizvodstva Leningradskogo otdeleniya izdatel'stva  
"Rechnoy transport."  
(Cash registers) (Merchant marine--Passenger traffic)

SHKOL'NIKOV, V.M.; BRONFIN, I.B.

Double-stage deasphalting of crude residues from the Tuymazy  
petroleum. Nefteper. i neftekhim. no.6:9-13 '63 (MIRA 17:7)

1. Omskiy neftepererabatyvayushchiy zavod.

ACC NR: AR6014562

(A)

SOURCE CODE: UR/0081/65/000/021/P012/P013

AUTHOR: Shkol'nikov, V. M.

TITLE: Improvement of the oil production processes in Omsk NPZ.

SOURCE: Ref. zh. Khimiya, Abs. 21P109

REF SOURCE: Sb. Puti intensiv. osnovn. protsessov neftepererab. prom-sti v svyazi s perspektivami yeye razvitiya. M., 1964, 345-355

TOPIC TAGS: asphalt, petroleum product, petroleum refining, petroleum residue, solvent extraction

ABSTRACT: This is a review of the special features of the construction and operating conditions of the de-asphaltization (DS) column, the effect of these parameters upon the DS process yield and quality of de-asphaltizate, heating process, and temperature gradient along the column, etc. Variations in the operating conditions of the DS column were investigated in order to determine the optimal technological parameters. It was found that a two-step DS is an effective method for increasing the utilization of the residual raw material in oil production and for increasing the number of products. Thus, application of the two-step (as against the one-step procedure) affords a relative increase in the output from the residual component by 42% from Tuymazy petroleum tar and by 12--13% from low-sulfur Volgograd petroleum. Operating parameters of extraction columns are reported, as well as the quality of intermediates

Card 1/2

L 40173-56

ACC NR: AR6014582

and of final product. Beginning in 1961, the Omsk plant employed binary solvent (acetone-toluene) in the DS units instead of the ternary (acetone-benzene-toluene), which led to an improved crystalline structure of the solid hydrocarbons and facilitated filtration process. Ye. Kalaytan [Translation of abstract]

SUB CODE: 07,11

Card 2/2 MLP



L 31120-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5007172

S/0286/65/000/003/0042/0042

22  
B

AUTHOR: Shkol'nikov, V. M.; Shevlyakov, V. A.; Borovitskiy, B. K.; Tseytlin, I. M.

TITLE: A method for producing antiager for rubber products. Class 23, No. 167935

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 3, 1965, 42

TOPIC TAGS: antiager, rubber, paraffin, asphalt

ABSTRACT: This Author's Certificate introduces a method for producing an antiager for rubber products. The antiager is based on crude paraffins. In order to provide a wider choice of raw materials and to simplify the process, the asphalt from deasphaltization of tar is deasphalted in a solution of propane, the deasphaltizate is treated in a selective solvent and the resulting product is deparaffinated.

ASSOCIATION: none

SUBMITTED: 09Aug63

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Card 1/1

SHKOL'NIKOV, V.V.

Fastening poles in swampy and cave-in grounds. Avtom., telem. i  
svyaz' 2 no.6:35 Je '58. (MIRA 11:6)

1. Zamestitel' nachal'nika Chitinskoy distantzii signalizatsii i  
svyazi Zabaykal'skoy dorogi.

(Electric lines--Poles)

SHKOL'NIKOV, V.M.

Comparing the operations of deasphalting towers. Neftoper. 1  
neftekhim. no.2:34-38 '64. (MIRA 17:8)

1. Omskiy neftepererabatyvayushchiy zavod.

ca

19

Influence of moisture in sand on the mixing of the glass batch. I. I. KITAIGORODSKI  
AND Ya. A. SHKOLNIKOV. *Keram. i Staklo* 6, 415-0 (1930). — The results of tests showed  
that a min. quantity of moisture of 0.2 to 1.3% depending on the kind of sand used,  
greatly increased the homogeneity of the batch. The permissible max. was 3-5%.  
M. V. KONDOYR

CA

19

Refining glass by the generation of gas. I. I. Kitagorodskii and Ya. A. Shkol'nikov. *Mon. Phys.-Chem. of Glass* (Moscow) 46 (1933); *Sprechsaal* 68, 406 (1935). Expts. were made on an unrefined glass with bubbles in an elec. lab. furnace. Raising the temp. during the generation of gas improves the degree of refining, but it is best when the refining is done at a const. temperature (1350°) for the entire time. The rate of refining of a glass is affected by its compn. Longer refining improves the quality of the glass. The refining can be accelerated by introducing a small porcelain tube 0.9, 1.5 or 3.7 mm. in diam. into the batch. M. V. Kondoidy

ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>ca</p> <p>19</p> <p>Formation of sulfate in soda glass. I. I. Kitaigorodskii and Ya. A. Shtol'man. <i>Nauch.-Issledovatel. Inst. Staklo</i> No. 1, <i>Staklo</i> No. 114 20(1934). The effects of gas mixts. contg. SO<sub>2</sub> on the glass batch and melted glass were studied. The effects of temp., time and concn. of SO<sub>2</sub> on the formation of sulfate, and the nature of these formations were detd. It was found that: (1) SO<sub>2</sub> reacts with the carbonates of the batch and forms sulfates which produce a film on the glass surface. (2) The quantity of sulfate formed depends on the temp., time and sulfurous content of the gas, but not on the compn. of the batch. (3) From the effect of SO<sub>2</sub> the glass surface is covered with bubbles which give a mat appearance to the glass. M. V. Kondoidy.</p>																																																			
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<p>18</p> <p>19</p> <p>Use of rocks in glass manufacture. Ya. A. Shkol'nikov. Nauch.-Issledovatel. Inst. Stakla No. 1, Steklotekhnika 130-41(1934).—The compns. of glass melted with rocks were studied and the difficulty of melting is discussed. The proportions of components of glass melted with rocks are selected in practice without theoretical bases; thus, the compns. corresponding to the system <math>\text{SiO}_2\text{-Al}_2\text{O}_3\text{-CaO-Na}_2\text{O}</math> show a high upper temp. of crystn. which causes difficulties during melting. Compns. of this system were used which according to the theory of van Alkemade are easily fusible. The melting of glasses contg. them was successful. A partial replacement of CaO by MgO diminishes the inclination to vitrification in these glasses.</p> <p>M. V. Kondoidv</p>																																																			
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<p>1ST AND 2ND ORDERS</p> <p>3RD AND 4TH ORDERS</p>																																																			

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